



Spare Parts Catalog

4 WG 260(4)

Material number: 4646.054.126

Current date: 01.03.2013

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zuständiges Werk:
Passau

Notes relating to the spare parts catalog

Setup of the spare parts catalog

- Cover sheet
- Technical Cover (only in SDM print)
- Overview of figures
- Figure
- Associated parts list
- Next figure
- Associated parts list
- ...

Figure and parts list



Overview of figures

Bildtafel Figure	Sachnummer Product number	Benennung (Description)	Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
068.08.17	1316.170.001	AUSLEGER	WL	SHIFT TURRET	1	Stk
068.08.06	1316.170.031	DECKEL	WL*H-H *VM	COVER	1	Stk
068.08.14	1316.170.808	DECKEL	WL*AUSL+GEH*H-H*HF160N	COVER	1	Stk
08	1316.170.441	ANSCHLUSSTEILE	WL*NG-VORB*RG-SCHL*168N *BAJONETT	CONNECTING PARTS	1	Stk

The "gap" indicates that there is no separate graphics panel (poster) for this assembly
The parts of this assembly are shown with the same mid-section number on the figure

1 Positions and subpositions

Pos.	Sachnummer Product number	Benennung (Description)	Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
0370	1315.201.054	RUECKLAUFBOLZEN	KPL.16S151*SG*L= 79	REV.IDLER SHAFT	1	Stk
/0120	0631.329.293	SPANNSTIFT		SLOT. PIN	1	Stk

Positions marked with "/" are the individual items of a completion
For example: Position 0370 contains a centering pin with the position /0120

2 Combinations with standardized parts

Pos.	Sachnummer Product number	Benennung (Description)	Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
0630		VERSCHL.SCHR.		SCREW PLUG	1	Stk
	0636.302.067	VERSCHL.SCHR.		SCREW PLUG	1	Stk
	0634.801.249	DICHTRING	A 26 X 31	SEALING RING	1	Stk

The parts list shows the components included in the combination of standardized parts

3 Depiction of position/item number on the figure and in the parts list

01.620 - on the figure 01 relates to the assembly in which the position is included. Due to program-related reasons, it is shown on the figure.

0620 - in the parts list

Pos.	Sachnummer Product number	Benennung (Description)	Technische Info Technical info	Description (Benennung)	Menge Quantity	Einheit Unit
0620	0732.040.736	DRUCKFEDER		COMPRESSION SPRING	1	Stk

4 *-Positions

Positions marked with an * are optional i.e. inclusion in the parts list is not mandatory.
The following note is shown on the figure

je nach Stücklistenausführung
depending on spec. number
*
suivant la nomenclature
secondo la distinta base

5 Parts, dotted display

Parts with dotted display on the figure are only used for orientation of other parts

Technical Cover

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Material number: 4646.054.126



4 WG 260(4) /

Pos.	Information	Amendment number
	CUSTOMER: TSCHSDM	
	1.PERFORMANCE CALC.: 4646 709 292	
	VEHICLE DESIGNATION: B175	
	WEIGHT EMPTY: 24,500 TO	
	ENGINE: YAMZ 238DE2	
	ENGINE POWER: 222,8 KW	
	SPEED: 2.100 U/MIN	
	INPUT TORQUE: 1.170 N/M	
	SPEED: 1.300 U/MIN	
	TYRE SIZE: 26,5X25	
	TYRE RADIUS DYN.: 0,790 M	
	AXLE RATIO: 24,666	
	MAX. SPEED: 37,4 KM/H	
	VEHICLE DATA 2 : 1	
	2.PERFORMANCE CALC.: 4646 709 293	
	VEHICLE APPLICATION: B190	
	WEIGHT EMPTY: 28,500 TO	
	ENGINE: YAMZ 238DE2	
	ENGINE POWER: 222,8 KW	
	SPEED: 2.100 U/MIN	
	INPUT TORQUE: 1.170 N/M	
	SPEED: 1.300 U/MIN	
	TIRES: 26,5X25	
	TYRE RADIUS DYN.: 0,790 M	
	AXLE RATIO: 24,666	
	MAX. SPEED: 36,4 KM/H	
	PRODUCT DESCRIPTION: ZF-ERGOPOWER L	
	TRANSMISSION TYPE: 4 WG 260	
	DROP CENTER DISTANCE: 575 MM	
	VEHICLE: WHEEL LOADER	
	1. GEAR FORWARD: 3,731	
	2. GEAR FORWARD: 2,207	
	3. GEAR FORWARD: 0,970	

Technical Cover

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Material number: 4646.054.126



4 WG 260(4) /

Pos.	Information	Amendment number
	4. GEAR FORWARD: 0,625	
	1. GEAR REVERSE: 3,731	
	2. GEAR REVERSE: 2,207	
	3. GEAR REVERSE: 0,970	
	NUMBER OF PULSES ENGIN: 60	
	NUMBER OF PULSES TURB: 59	
	NUMBER OF PULSES MRK: 91	
	NUMBER OF PULSES OUTP.: 64	
	SHIFTED CLUTCHES 1G.KV/K1 2G.KV/K2 3G.KV/K3	
	SHIFTED COUPLING 4G.K4/K3	
	CONVERTER: W 370	
	CONVERTER PART NR.: 037 H 060	
	LOCK-UP CLUTCH: WITHOUT	
	STALL TORQUE RATIO: 2,25	
	TORQUE CONVERTER ABSORPTION 239 NM	
	STATOR FREEWHEEL: WITH	
	ENGINE INPUT: REMOTE MOUNTED VIA JOINT SHAFT	
	INPUT FLANGE: D 150 8 X M12 X 1,5 X 35	
	OUTPUT: STANDARD	
	GEAR BOX SUMP STANDARD	
	OUTPUT FLANGE CONVERTER SIDE: D 180 8 X DIA 14 X 1,5 X 55	
	OUTPUT PTO SIDE: WITH PARKING BRAKE	
	DISC BRAKE: MECHANICAL MS22	
	OUTPUT FLANGE PTO SIDE: D 180 8 X DIA 14 X 1,5 X 55	
	1.POWER TAKE OFF: -----	
	1.PTO FLANGE: SAE C 2 HOLE M16 * 4 HOLE M14	
	DRIVER / PROFILE: SAE C 12/24 DP 14 T	
	GEAR CHANGE CONTROL: ZF-ERGOSHIFT/ PROP VALVE	
	VOLTAGE: 24 VOLT	
	SPEED CONTROL: CONNECTION VIA EST	
	OIL LEVEL TUBE: MOUNTED ON CONVERTER SIDE	
	OIL DIPSTICK: SHORT STRAIGHT	
	FILTER INSTALLATION: SEPARATE MOUNTED	



Pos.	Information	Amendment number
	PRES. DROP SWITCH: CLOSING SWITCH	
	ADAPTER WITHOUT	
	EMERGENCY STEERING PUMP: WITHOUT	
	OIL TEMPERATURE SENSOR: WITH (WITHOUT GAUGE)	
	ELECTRIC PARTS ORDER: INCLUDED IN SCOPE OF SUPPLY	
	SEPARATE ORDER: WITHOUT	
	GROUP LOOSE PARTS: 4646 183 251	
	CONTROL UNIT: EST 37A	
	GEAR SELECTOR: DW 3	
	2ND GEAR SELECTOR: WITHOUT	
	DISPLAY: FOR SEPERATE MOUNTING	
	LOAD SENSOR: WITHOUT	
	WIRING: WITH	
	OIL CAPACITY TRANSM.: CA. 32 LITRE	
	OIL FILLING TRANSM.: WITHOUT	
	OIL GRADE TRANSM.: OIL SPECIFICATION TE ML 03	
	PRIMER PAINT: YELLOW RAL 1006	
	DOCUMENTATION GEAR BOX: -----	
	SECTION DRAWING: 4646 054 049	
	INSTALLATION DRAWING: 4646 654 126	
	GEARBOX DIAGRAM: 4646 700 384	
	OIL CIRCUIT DIAGRAM: 4646 700 291	
	INSTALL. INSTRUCTIONS: 0000 702 951	
	DRAWING 6009 665 002	
	DRAWING GEAR SEL. 1: 6006 630 033	
	CONNECTION DIAGRAM: 6006 700 564	
	WIRING DIAGRAM: 6029 701 229	
	CONNECTION DIAGRAM: 6029 701 228	
	DRAWING DISPLAY: 6007 603 047	

Assembly group overview

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Material number: 4646.054.126

4 WG 260(4) /

Picture	Pos.	Material number	Name	Quantity	Amend. no.	Techn. Info.
464613000700	270	4646.130.007	ENGINE CONNECTION	1		
464613040300	280	4646.130.403	ENGINE CONNECTION	1		
416603708300	500	4166.037.083	CONVERTER	1		
464610204500	30	4646.102.045	INPUT	1		
464610242300	35	4646.102.423	INPUT	1		
464610118900	10	4646.101.189	TRANSMISSION HOUSING	1		
464610148400	14	4646.101.484	TRANSMISSION HOUSING	1		
464610148600	12	4646.101.486	TRANSMISSION HOUSING	1		
464610148800	16	4646.101.488	TRANSMISSION HOUSING	1		
464610801400	150	4646.108.014	COUNTERSHAFT	1		
464615107300	350	4646.151.073	COUPLING	1		
464615147100	355	4646.151.471	COUPLING	1		
464615148600	352	4646.151.486	COUPLING	1		
464615207900	360	4646.152.079	COUPLING	1		
464615253200	365	4646.152.532	COUPLING	1		
464615254800	367	4646.152.548	COUPLING	1		

Assembly group overview

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Material number: 4646.054.126

4 WG 260(4) /

Picture	Pos.	Material number	Name	Quantity	Amend. no.	Techn. Info.
464615307200	370	4646.153.072	COUPLING	1		
464615345700	375	4646.153.457	COUPLING	1		
464610303700	50	4646.103.037	OUTPUT	1		
464610343400	60	4646.103.434	OUTPUT	1		
464610901600	170	4646.109.016	PARKING BRAKE	1		
464610940800	70	4646.109.408	PARKING BRAKE	1		
464615407100	380	4646.154.071	POWER TAKE-OFF	1		
464615444600	390	4646.154.446	POWER TAKE-OFF	1		
464615501200	400	4646.155.012	POWER TAKE-OFF	1		
464610602200	110	4646.106.022	SHIFT SYSTEM	1		
465710640100	115	4657.106.401	SHIFT SYSTEM	1		
465615901901	120	4656.159.019	SHIFT SYSTEM	1		
464612201200	225	4646.122.012	PRESSURE OIL PUMP	1		
464613800400	330	4646.138.004	FILTER	1		
464619940600	335	4646.199.406	LOOSE PARTS	1		
464612502300	250	4646.125.023	INDUCTIVE SENSOR	1		

Assembly group overview

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Material number: 4646.054.126

4 WG 260(4) /

Picture	Pos.	Material number	Name	Quantity	Amend. no.	Techn. Info.
464613702400	310	4646.137.024	EMERGENCY STEERING PUMP	1		
464612400700	235	4646.124.007	TEMPERATURE SENSOR	1		
464613140200	290	4646.131.402	FILLER NOZZLE	1		
464613104700	295	4646.131.047	FILLER NOZZLE	1		
464612111600	210	4646.121.116	OIL PIPE	1		
464612141600	215	4646.121.416	OIL PIPE	1		
464616241600	20	4646.162.416	OIL PIPE	1		
464619942600	490	4646.199.426	LOOSE PARTS	1		
464618325100	510	4646.183.251	LOOSE PARTS	1		

Picture

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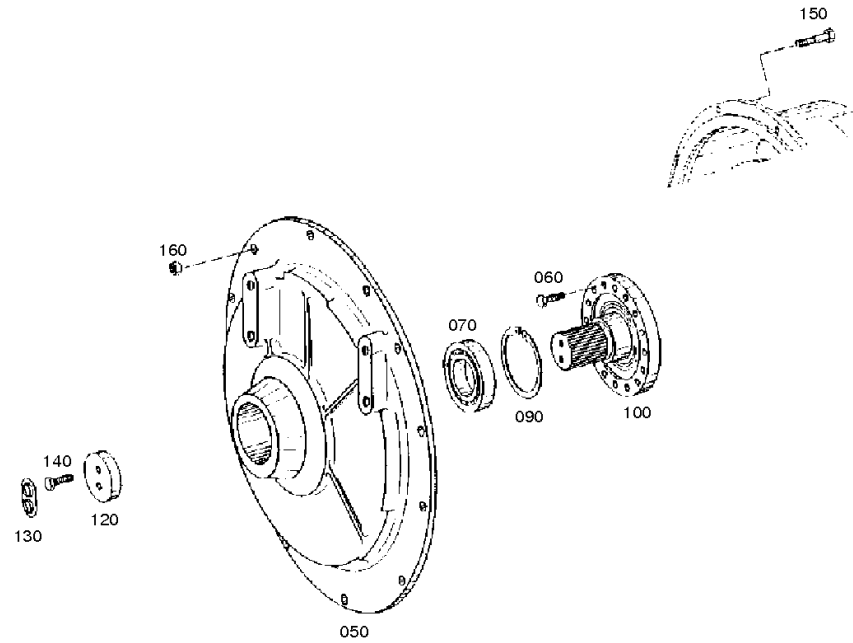
Material number: 4646.054.126

Picture: 464613000700

Material-assembly-group-no: 4646.130.007



4 WG 260(4) /
ENGINE CONNECTION



Picture

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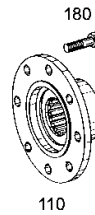
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Picture: 464613040300

Material-assembly-group-no: 4646.130.403



4 WG 260(4) /
ENGINE CONNECTION



Picture

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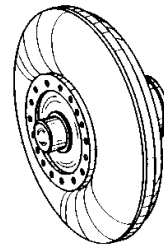
Material number: 4646.054.126

Picture: 416603708300

Material-assembly-group-no: 4166.037.083



4 WG 260(4) /
CONVERTER



010

Picture

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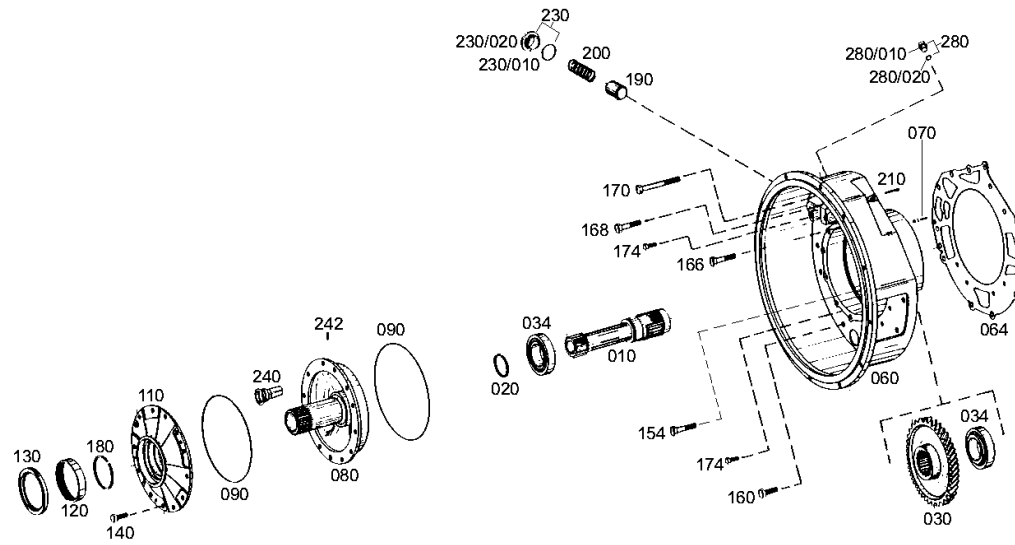
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Picture: 464610204500

Material-assembly-group-no: 4646.102.045



4 WG 260(4) /
INPUT



Picture

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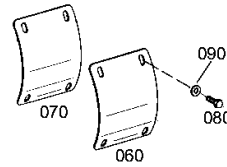
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Picture: 464610242300

Material-assembly-group-no: 4646.102.423



4 WG 260(4) /
INPUT



Picture

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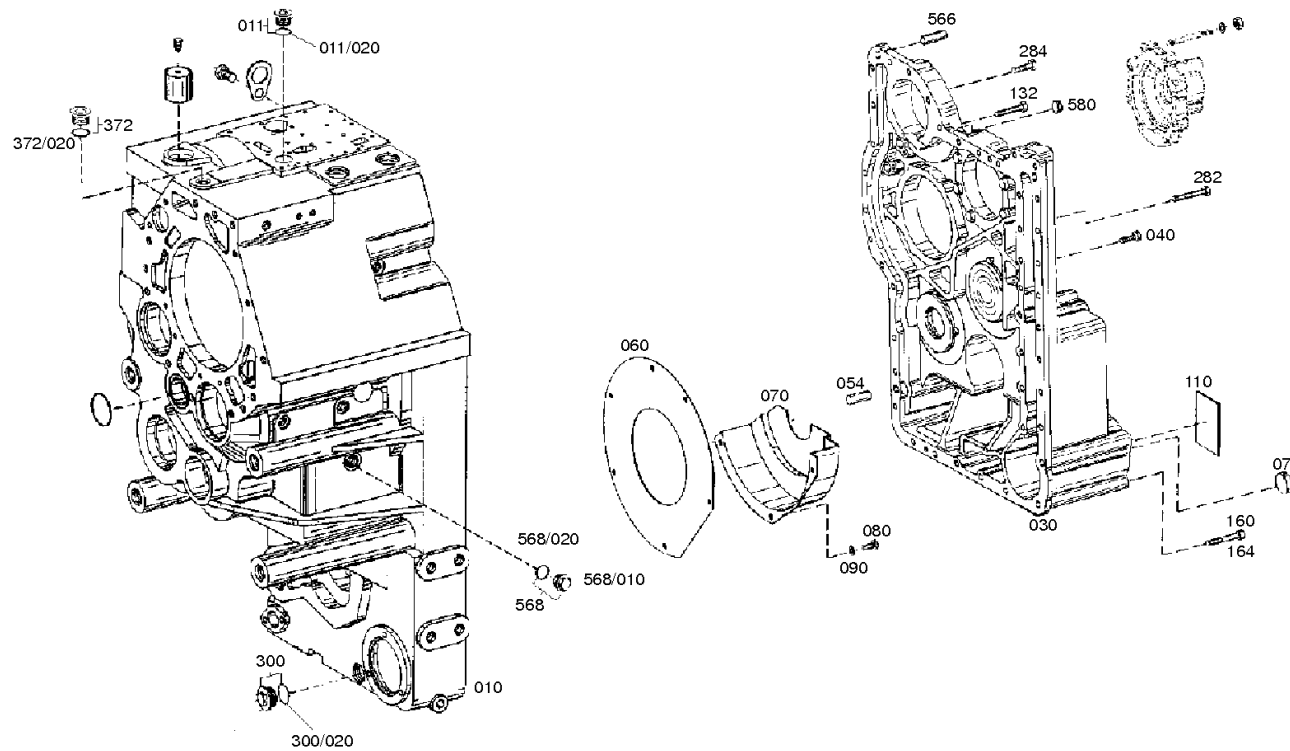
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Picture: 464610118900

Material-assembly-group-no: 4646.101.189



4 WG 260(4) /
TRANSMISSION HOUSING



Picture

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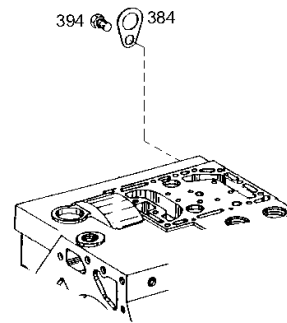
Material number: 4646.054.126

Picture: 464610148400

Material-assembly-group-no: 4646.101.484



4 WG 260(4) /
TRANSMISSION HOUSING



Picture

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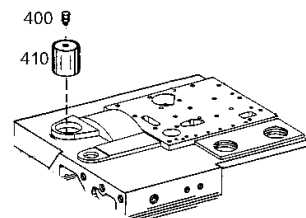
Material number: 4646.054.126

Picture: 464610148600

Material-assembly-group-no: 4646.101.486



4 WG 260(4) /
TRANSMISSION HOUSING



Picture

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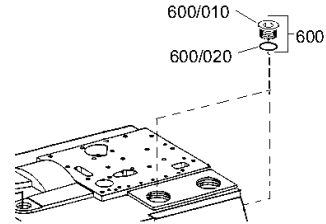
Material number: 4646.054.126

Picture: 464610148800

Material-assembly-group-no: 4646.101.488



4 WG 260(4) /
TRANSMISSION HOUSING



Picture

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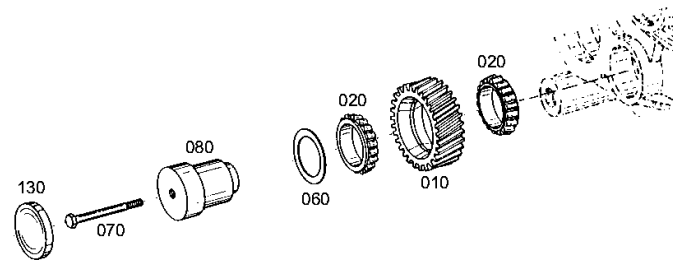
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Picture: 464610801400

Material-assembly-group-no: 4646.108.014



4 WG 260(4) /
COUNTERSHAFT



Picture

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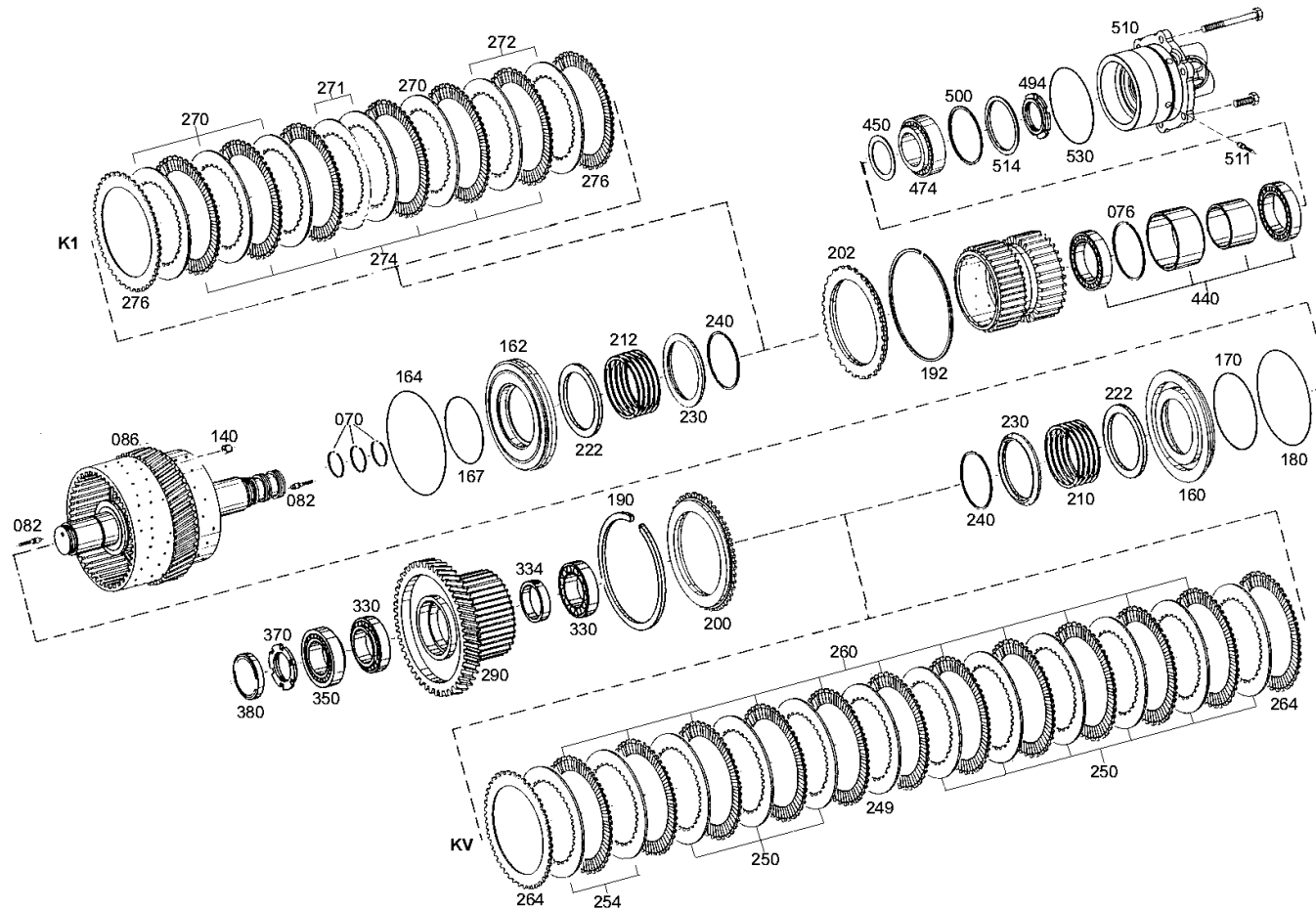
Material number: 4646.054.126

Picture: 464615107300

Material-assembly-group-no: 4646.151.073



4 WG 260(4) /
COUPLING



Picture

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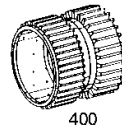
Material number: 4646.054.126

Picture: 464615147100

Material-assembly-group-no: 4646.151.471



4 WG 260(4) /
COUPLING



Picture

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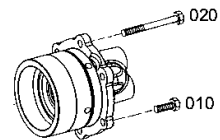
Material number: 4646.054.126

Picture: 464615148600

Material-assembly-group-no: 4646.151.486



4 WG 260(4) /
COUPLING



Picture

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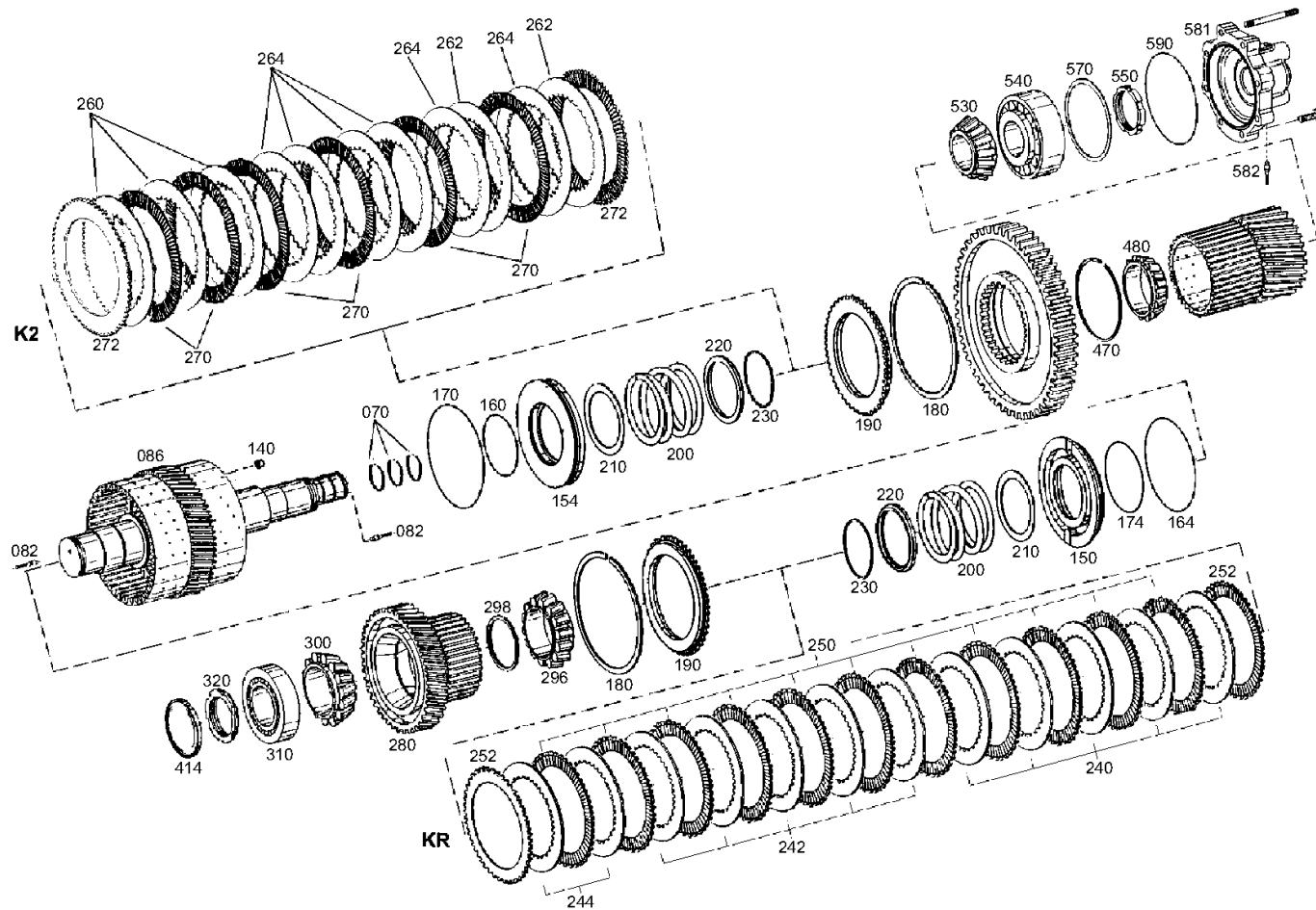
Material number: 4646.054.126

Picture: 464615207900

Material-assembly-group-no: 4646.152.079



4 WG 260(4) /
COUPLING



Picture

Page 1 from 1

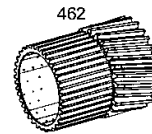
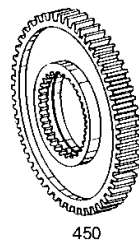
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Picture: 464615253200

Material-assembly-group-no: 4646.152.532



4 WG 260(4) /
COUPLING



Picture

Page 1 from 1

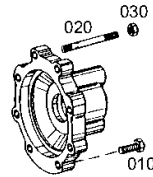
Material number: 4646.054.126

Picture: 464615254800

Material-assembly-group-no: 4646.152.548



4 WG 260(4) /
COUPLING



Picture

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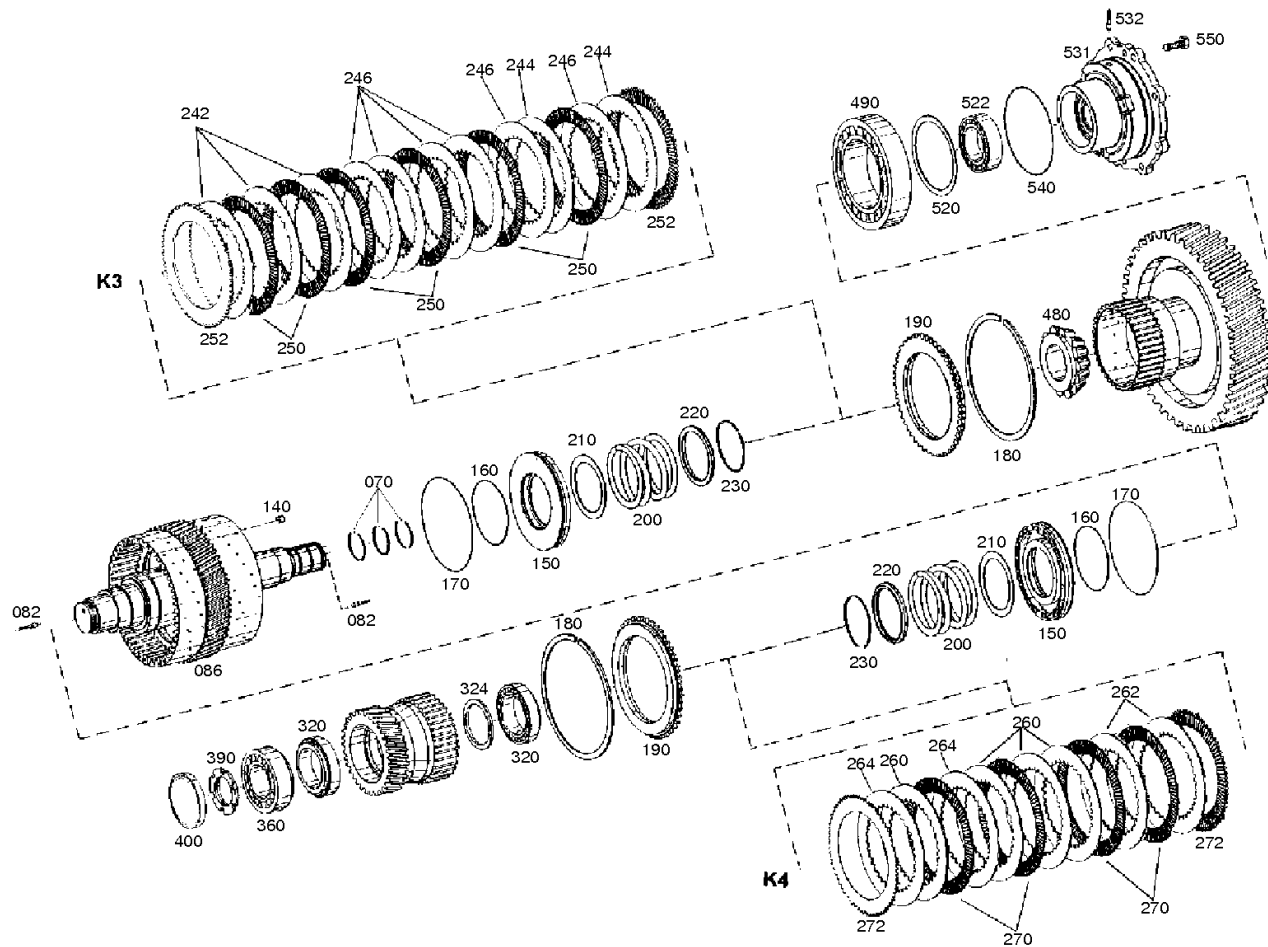
Material number: 4646.054.126

Picture: 464615307200

Material-assembly-group-no: 4646.153.072



4 WG 260(4) /
COUPLING



Picture

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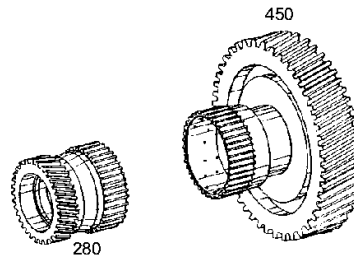
Material number: 4646.054.126

Picture: 464615345700

Material-assembly-group-no: 4646.153.457



4 WG 260(4) /
COUPLING



Picture

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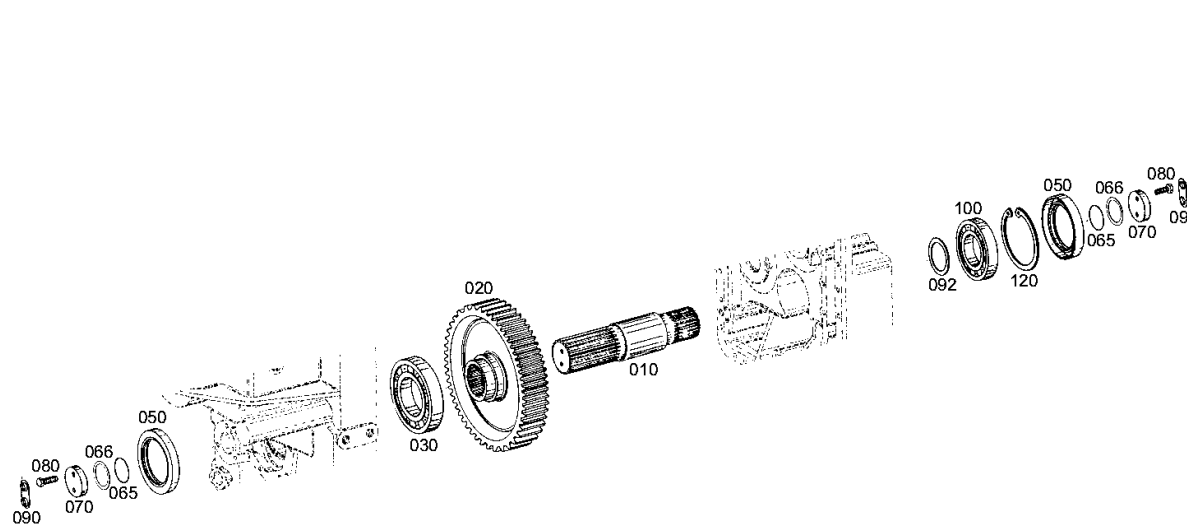
Material number: 4646.054.126

Picture: 464610303700

Material-assembly-group-no: 4646.103.037



4 WG 260(4) /
OUTPUT



Picture

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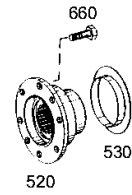
Material number: 4646.054.126

Picture: 464610343400

Material-assembly-group-no: 4646.103.434



4 WG 260(4) /
OUTPUT



Picture

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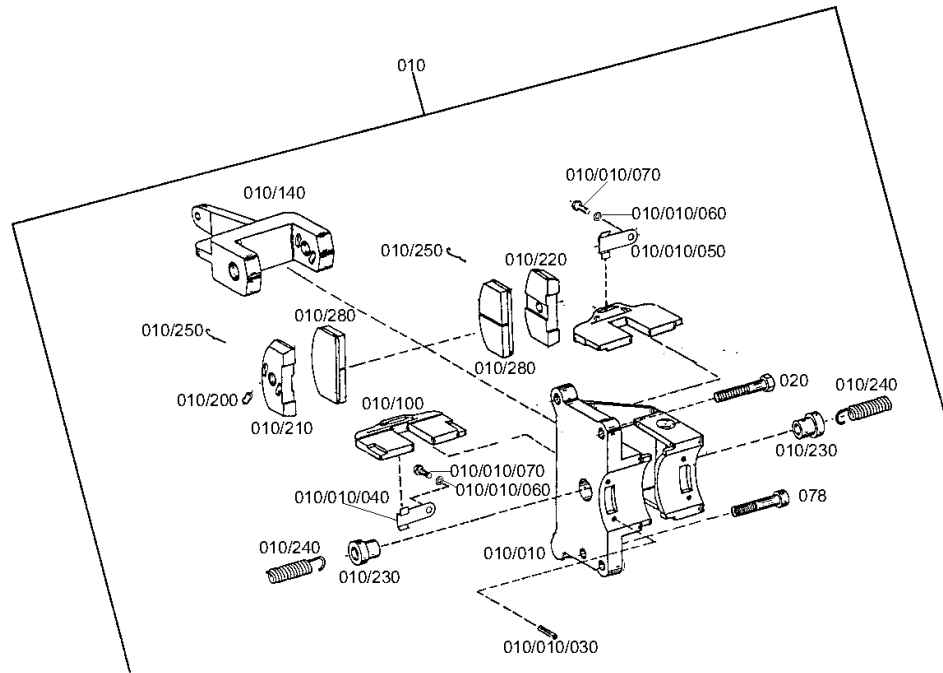
Material number: 4646.054.126

Picture: 464610901600

Material-assembly-group-no: 4646.109.016



4 WG 260(4) /
PARKING BRAKE



Picture

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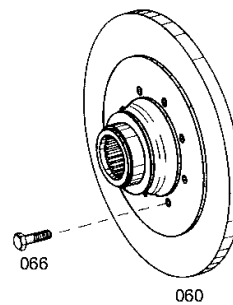
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Picture: 464610940800

Material-assembly-group-no: 4646.109.408



4 WG 260(4) /
PARKING BRAKE



Picture

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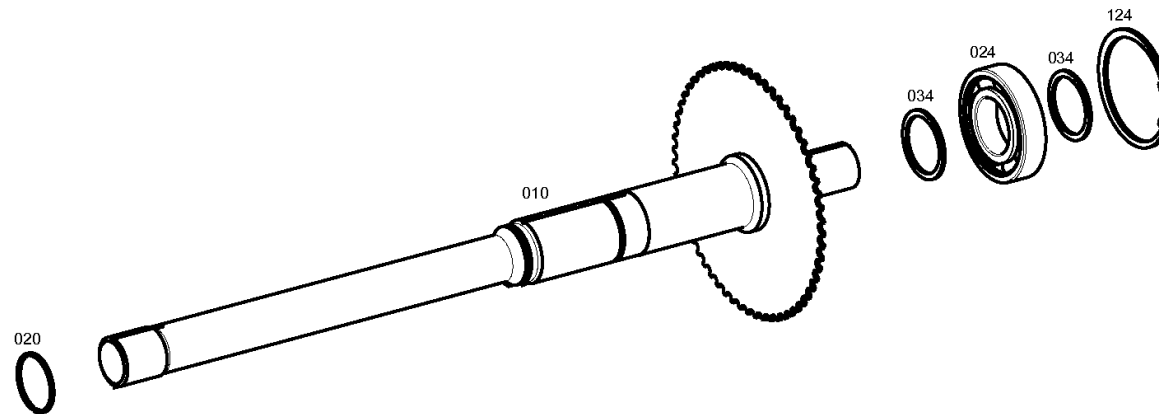
Material number: 4646.054.126

Picture: 464615407100

Material-assembly-group-no: 4646.154.071



4 WG 260(4) /
POWER TAKE-OFF



Picture

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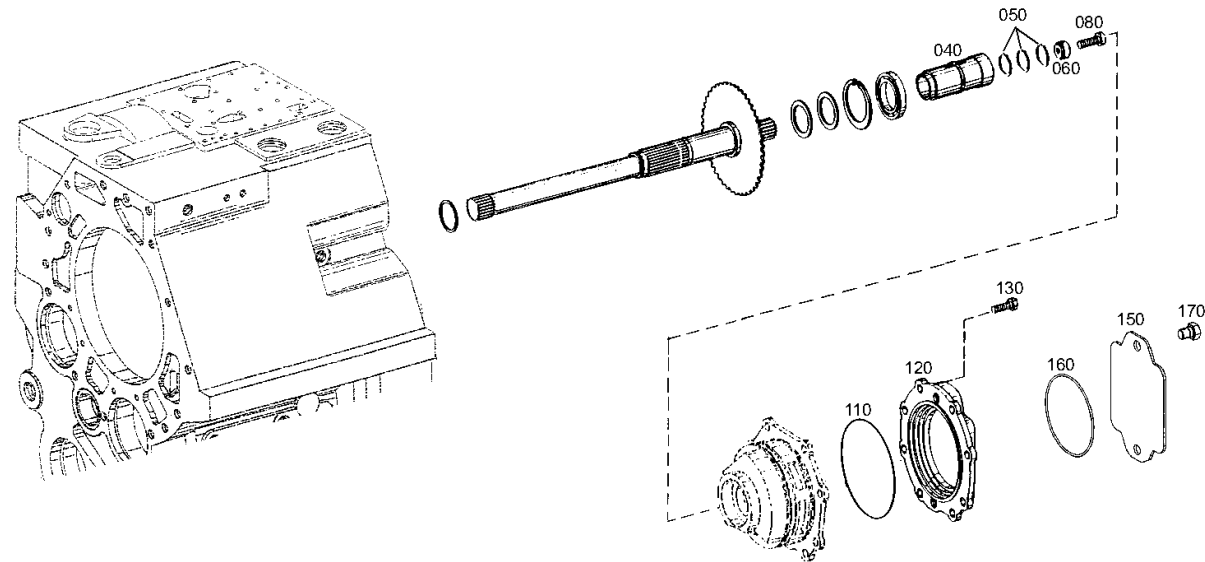
Material number: 4646.054.126

Picture: 464615444600

Material-assembly-group-no: 4646.154.446



4 WG 260(4) /
POWER TAKE-OFF



Picture

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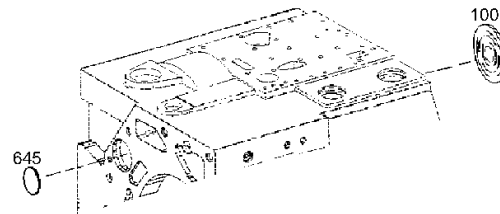
Material number: 4646.054.126

Picture: 464615501200

Material-assembly-group-no: 4646.155.012



4 WG 260(4) /
POWER TAKE-OFF



Picture

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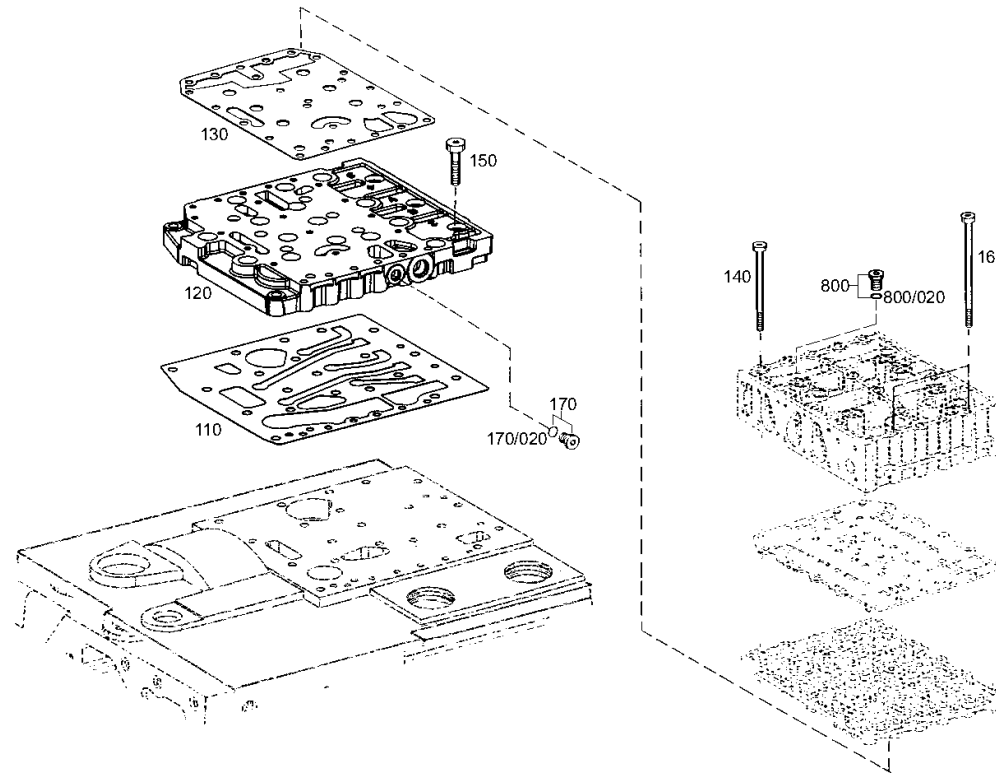
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Picture: 464610602200

Material-assembly-group-no: 4646.106.022



4 WG 260(4) /
SHIFT SYSTEM



Picture

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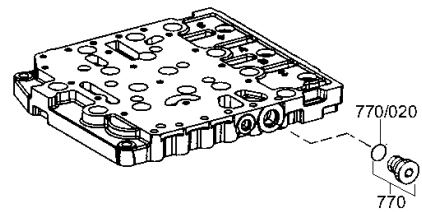
Material number: 4646.054.126

Picture: 465710640100

Material-assembly-group-no: 4657.106.401



4 WG 260(4) /
SHIFT SYSTEM



Picture

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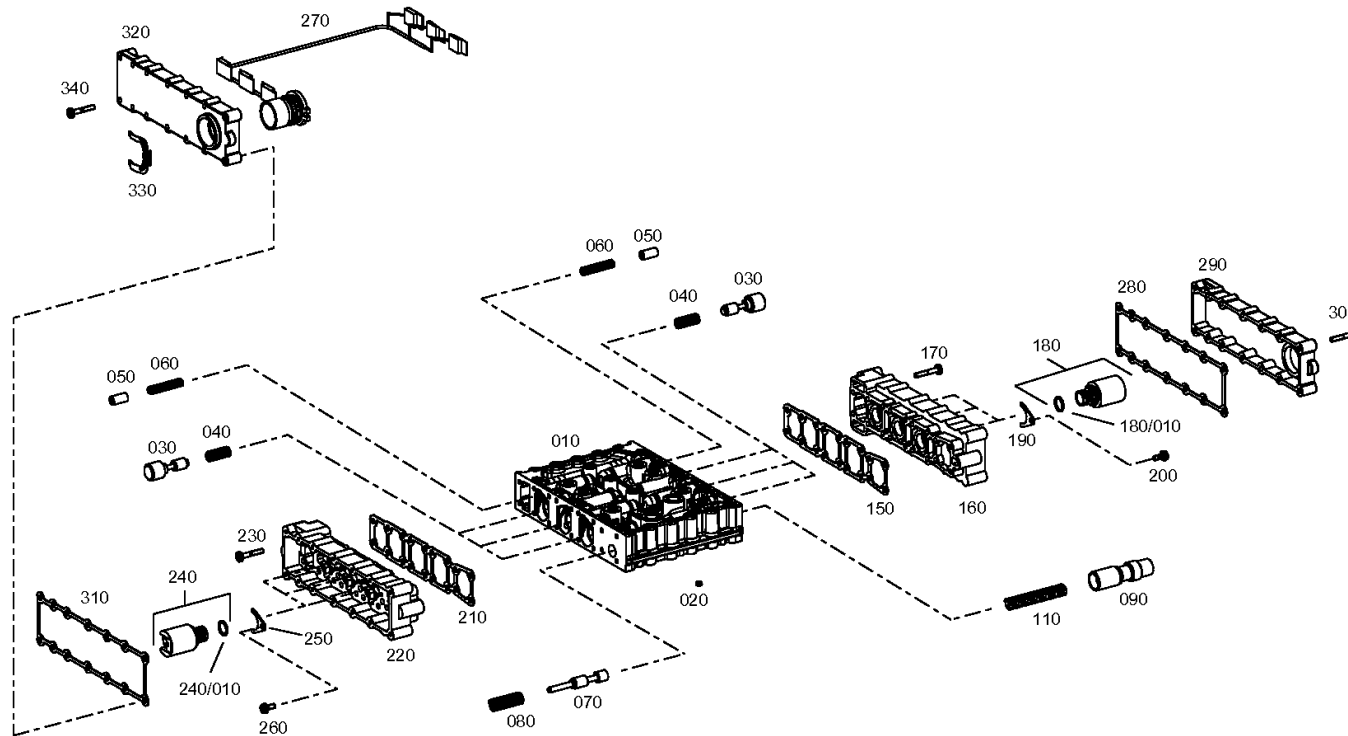
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Picture: 465615901901

Material-assembly-group-no: 4656.159.019



4 WG 260(4) /
SHIFT SYSTEM



Picture

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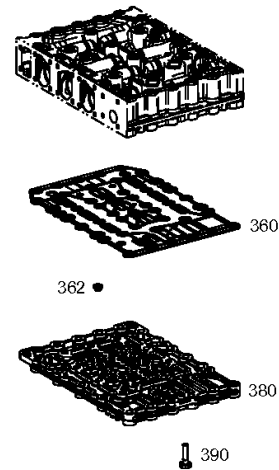
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Picture: 465615901902

Material-assembly-group-no: 4656.159.019



4 WG 260(4) /
SHIFT SYSTEM



Picture

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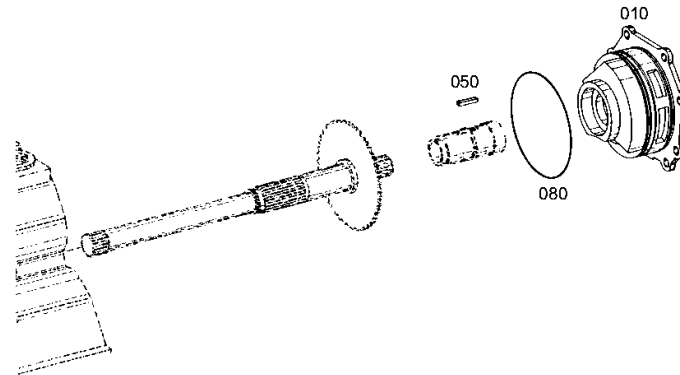
Material number: 4646.054.126

Picture: 464612201200

Material-assembly-group-no: 4646.122.012



4 WG 260(4) /
PRESSURE OIL PUMP



Picture

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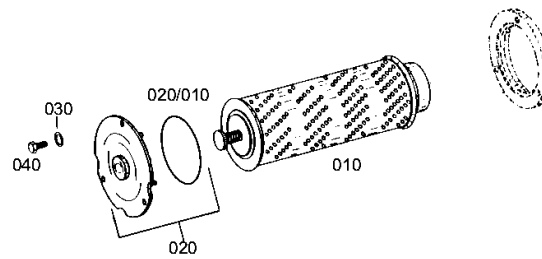
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4 WG 260(4) /
FILTER



Picture

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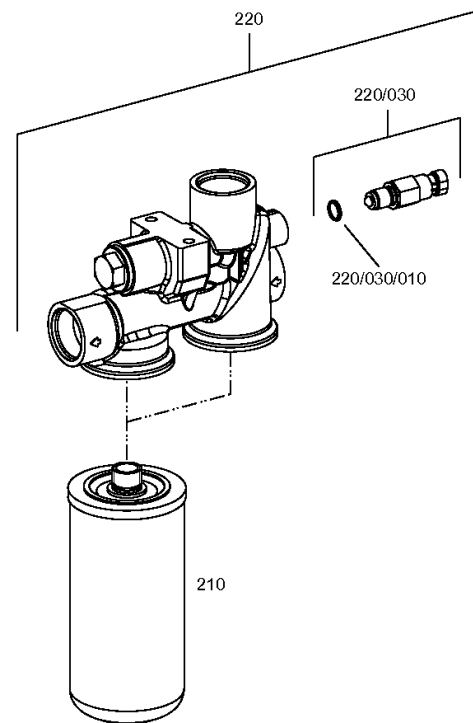
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4 WG 260(4) /
LOOSE PARTS



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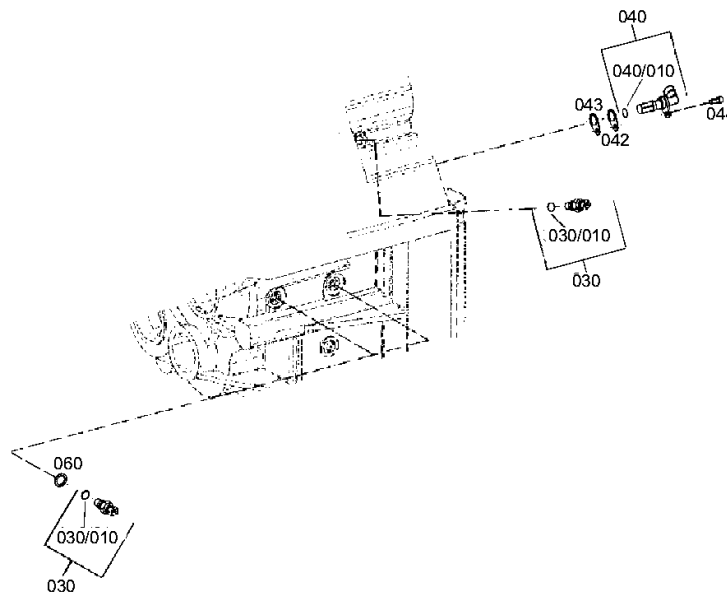
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4 WG 260(4) /
INDUCTIVE SENSOR



Picture

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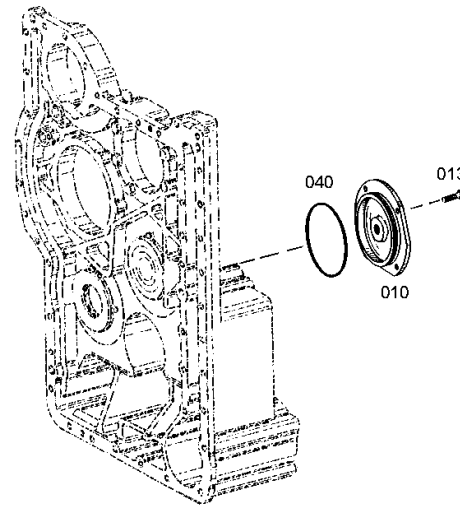
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4 WG 260(4) /
EMERGENCY STEERING PUMP



Picture

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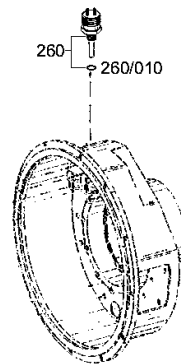
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4 WG 260(4) /
TEMPERATURE SENSOR



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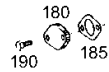
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4 WG 260(4) /
FILLER NOZZLE



Picture

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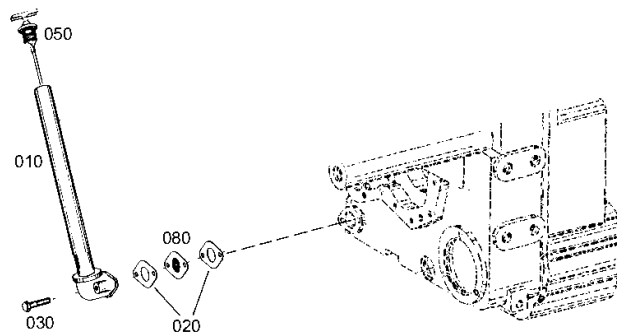
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4 WG 260(4) /
FILLER NOZZLE



Picture

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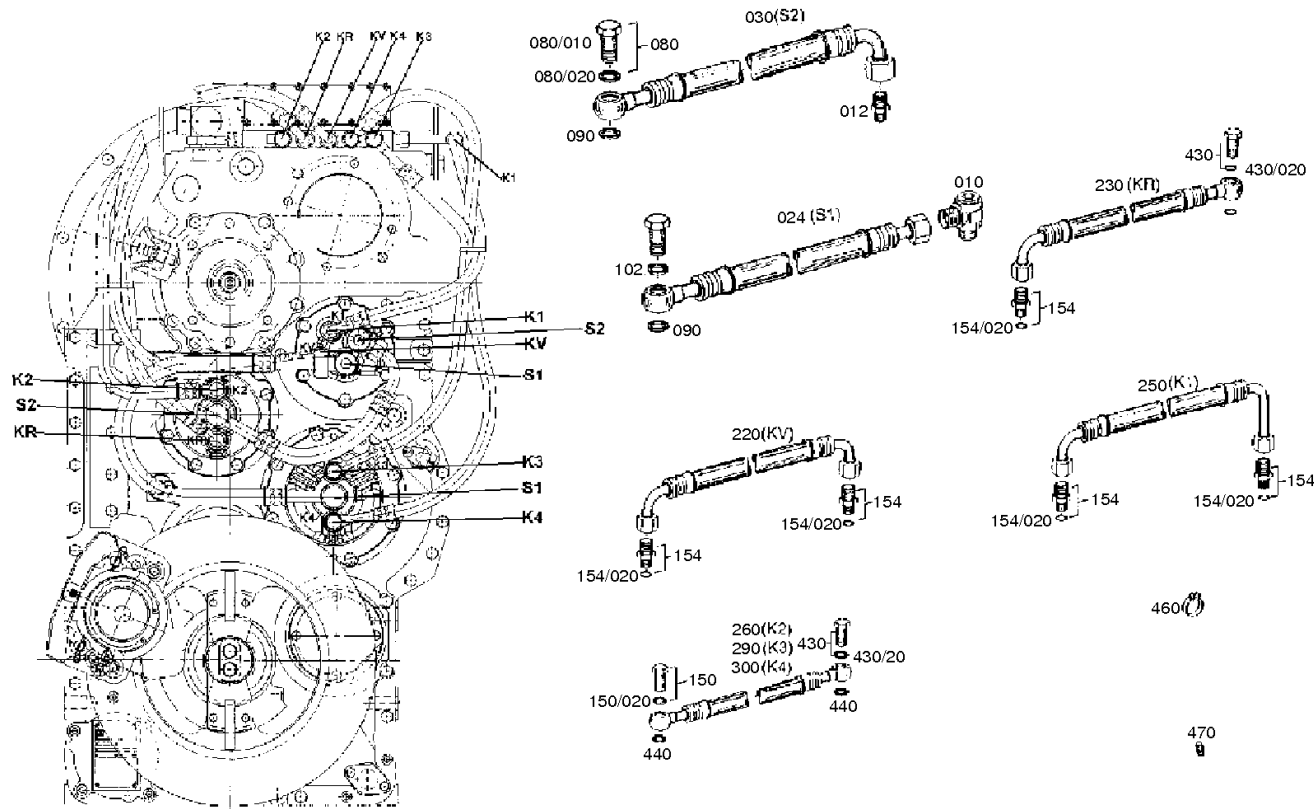
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4 WG 260(4) /
OIL PIPE



Picture

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Material number: 4646.054.126

Picture: 464612141600

Material-assembly-group-no: 4646.121.416



4 WG 260(4) /
OIL PIPE



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Material number: 4646.054.126

Picture: 464616241600

Material-assembly-group-no: 4646.162.416



4 WG 260(4) /
OIL PIPE



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Material number: 4646.054.126

Picture: 464619942600

Material-assembly-group-no: 4646.199.426



4 WG 260(4) /
LOOSE PARTS



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Material number: 4646.054.126

Picture: 464618325100

Material-assembly-group-no: 4646.183.251



4 WG 260(4) /
LOOSE PARTS

